

ABSTRACT OF THE DISCLOSURE

A pseudo-random pattern transmission apparatus which has software processing means 1, storage means 2 for storing a pseudo-random pattern, transmission memory 3 for storing a plurality of packets comprising the pseudo-random pattern inserted in sequence into payload parts of a continuous frame of digital signal, an idle sending processing section 4 for calculating the number of inserted idle bytes calculated in response to the specified transmission rate of the digital signal, and transmission control means 6 for alternately executing transmission of a plurality of packets from the transmission memory and transmission of idle bytes from the idle sending processing section to a digital line 7.